

CLAIMS

1. A fluid distribution device, comprising an inlet having a first width, and an outlet having a second width less than the first width, and a separator, wherein the separator receives fluid from the inlet and directs solid matter along a first path and substantially debris free fluid towards the outlet, and wherein at least one aperture having a third width which is less than the second width is provided intermediate the separator and the outlet.
2. A fluid distribution device as claimed in claim 1, in which the inlet is dimensioned such that it is larger than the expected size of the debris within the fluid.
3. A fluid distribution device as claimed in claim 1, in which the separator uses density differences between the debris and the fluid to separate the debris from the fluid.
4. A fluid distribution device as claimed in claim 1, wherein, in use, the distribution device is subject to rotation.
5. A fluid distribution device as claimed in claim 1, in which the distribution device has a central bore and the distribution device is mounted for rotation on a shaft passing through the central bore.
6. A fluid distribution device as claimed in claim 5, in which the separator comprises a first chamber having a first depth measured with respect to the central bore, and a fluid flow path to the outlet is provided at a position away from a radially outermost wall of the first chamber.
7. A fluid distribution device as claimed in claim 6, in which the first chamber is in fluid flow communication with a second chamber.
8. A fluid distribution device as claimed in claim 7, in which the at least one aperture having the third width is at the interface between the first and second chambers.
9. A fluid distribution device as claimed in claim 8, in which the interface between the first and second chambers is partially bounded by the shaft.

10. A fluid distribution device as claimed in claim 1, in which the at least one aperture having a third width is in the form of an elongate slot.

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